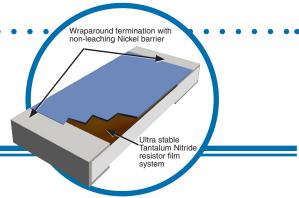


PFC HF MIL Series

- Long life TaNFilm® element
- Military screening per MIL-PRF-55342
- Available in 0603, 0805 and 1206 chip sizes
- Standard 60/40 Sn/Pb solder plated terminations



IRC offers MIL-screened high frequency chip terminators are available in standard chip resistor sizes. Available in 0603, 0805 and 1206 chip sizes, the PFC-HF MIL is a drop-in replacement for poorer performing standard size chips. Built on the same production line as our mil-qualified, tantalum nitride PFC chip resistors with Group A screening to MIL-PRF-55342 assures the highest level of performance and reliability.

With operation characterized to 6GHz, the PFC-HF MIL series is suitable for RF and microwave transmission line termination as well as high speed digital line termination. Applications include SCSI bus terminations, DDR memory terminations, RF and microwave transmit and receive line terminations.

Electrical Data

	Maximum Continuous Power Rating	Ohmic Value	Available Tolerances	Temperature Range	Noise	Termination	Substrate
W0603HF	100mW	50.0 0	KJGF	-55°C to 150°C	<-25dB	60/40 Sn/Pb Plate	99.5% Alumina
W0805HF	150mW	50.0Ω and 75.0Ω					
W1206HF	250mW	73.052					

Environmental Data

Environmental Test	Maximum ∆R Per	Performance		
MIL-PRF-55342	Characteristic E	Typical	Maximum	
Thermal Shock	±0.10%	±0.02%	±0.10%	
Low Temperature Operation	±0.10%	±0.01%	±0.05%	
Short-time Overload	±0.10%	±0.01%	±0.05%	
High Temperature Exposure	±0.10%	±0.03%	±0.10%	
Effects Of Solder	±0.20%	±0.01%	±0.10%	
Moisture Resistance	±0.20%	±0.03%	±0.10%	
Life	±0.50%	±0.03%	±0.10%	

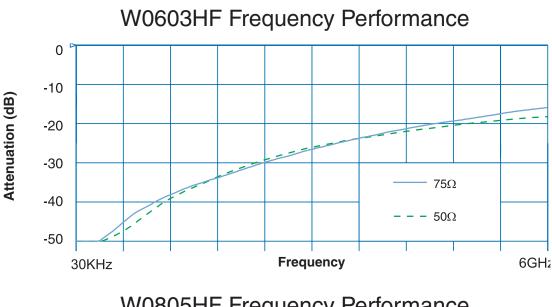


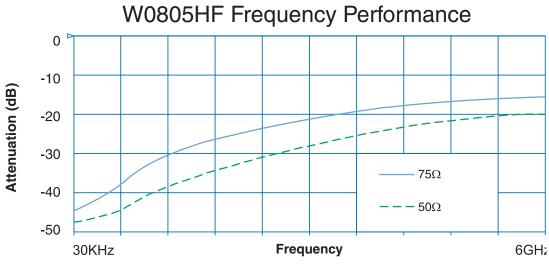
IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

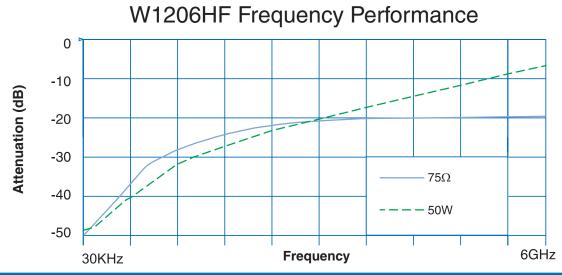




Return Loss Data (S11, S22)

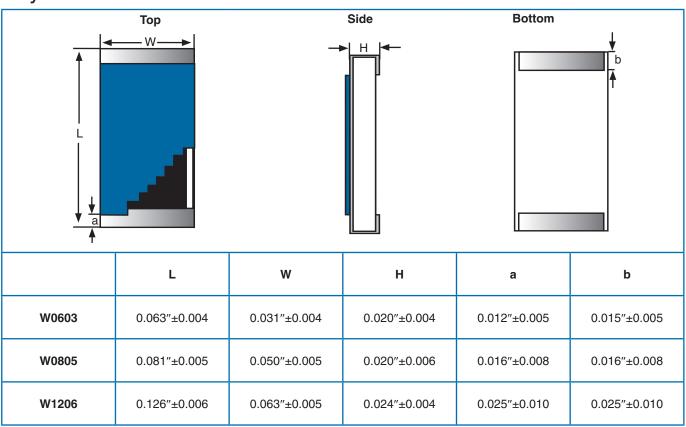




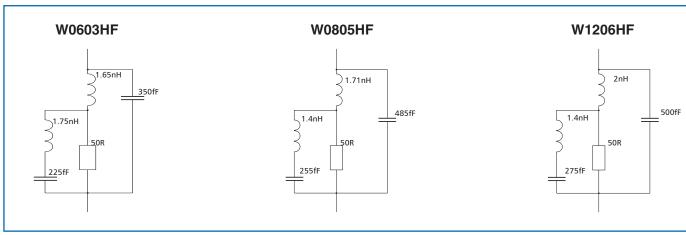




Physical Data

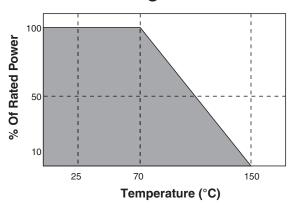


Modeling Data





Power Derating Curve



For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.

Ordering Data

